



BIOMEDICAL SCIENCE FOR THE BENEFIT OF SOCIETY

“Bioinformatician in the Bioinformatics and Genomics (Core Technologies Units)”
Centre for Genomic Regulation (CRG)

The Institute

The Centre for Genomic Regulation (CRG) is an international biomedical research institute of excellence, based in Barcelona, Spain, with more than 400 scientists from 44 countries. The CRG is composed by an interdisciplinary, motivated and creative scientific team which is supported both by a flexible and efficient administration and by high-end and innovative technologies.

In September 2026, the Centre for Genomic Regulation (CRG) has received the renewal of the '[HR Excellence in Research](#)' Award from the European Commission. This is a recognition of the Institute's commitment to developing an HR Strategy for Researchers, designed to bring the practices and procedures in line with the principles of the [European Charter for Researchers](#) and the [Code of Conduct for the Recruitment of Researchers](#) (Charter and Code).

[Please, check out our Recruitment Policy](#)

The role

The CRG Bioinformatics Unit is seeking a Bioinformatician to support bioinformatics workflows for high-throughput sequencing technologies, ensuring reliable data processing, quality control, integration of new technologies, and reproducible analysis. The successful candidate will act as a liaison between the CRG Genomics and Bioinformatics Units and contribute to the implementation, evaluation, and benchmarking of new sequencing technologies and associated bioinformatics analyses.

Opportunities for conference attendance and career development are available.

About the Bioinformatics unit

The Bioinformatics Unit supports CRG and external researchers with experimental design, high-throughput sequencing data analysis, software/pipelines and database development, and other scalable bioinformatics solutions that enable reproducible and FAIR research, supported by training and dissemination of best practices.

Whom would we like to hire?

Professional experience

Must have

- Understanding of experimental design and statistical concepts relevant to high-throughput sequencing data
- Experience analysing omics data, such as RNA-seq, WGS/WES, or single-cell sequencing data
- Ability to interpret analysis results in a biological context and identify potential technical or analytical biases
- Proficiency in R and/or Python, with working knowledge of Bash
- Experience developing, implementing, or maintaining bioinformatics pipelines
- Experience with workflow management systems such as Nextflow, Snakemake, or similar
- Experience with Git for version control and collaborative development
- Comfortable working in Linux/Unix and high-performance computing (HPC) environments
- Understanding of reproducibility and good practices in scientific computing





- Basic experience with container technologies such as Docker or Singularity/Apptainer
- Experience collaborating with researchers to define analytical approaches and interpret results.
- Experience providing training and user support

Nice to have

- Experience with software maintenance, testing, and troubleshooting
- Experience preparing technical documentation and standard operating procedures (SOPs)
- Familiarity with CI/CD practices
- Experience supporting technical personnel and operational workflows in a genomics or sequencing technology environment
- Experience evaluating, benchmarking, or implementing new sequencing technologies or bioinformatics method

Education and training

- PhD or MSc in Bioinformatics, Computational Biology, Computer Science, or related field

Languages

- Proficiency in spoken and written English

Competences

- Ability to manage multiple tasks and priorities and work independently.
- Strong problem-solving skills and ability to make independent technical decisions.
- Clear written and verbal communication skills.
- Collaborative and service-oriented working style.
- Ability to communicate effectively with people from different scientific and technical backgrounds, including experimental biologists, laboratory technicians, researchers, software developers, and bioinformaticians.
- Ability to translate scientific and technical requirements into practical bioinformatics solutions.

The Offer – Working Conditions

- **Contract duration:** Open-ended technical and scientific activities contract linked to Bioinformatics Unit
- **Estimated annual gross salary:** Salary is commensurate with qualifications and consistent with our pay scales
- **Target start date:** November 2, 2026

We provide a highly stimulating environment with state-of-the-art infrastructures, and unique professional career development opportunities. To check out our training and development portfolio, please visit our website in the [training section](#).

We offer and **promote a diverse and inclusive environment** and welcomes applicants regardless of age, disability, gender, nationality, ethnicity, religion, sexual orientation or gender identity.

The **CRG is committed to reconcile a work and family life** of its employees and are offering extended vacation period and the possibility to benefit from flexible working hours.

Application Procedure

All applications must include:

1. A motivation letter addressed to Dr Julia Ponomarenko, Head of the Bioinformatics Unit, and Dr. Berta Fuste, Head of the genomics Unit.
2. A complete CV including contact details.





3. Contact details of two referees.

All applications must be submitted online on the CRG Career site - <http://www.crg.eu/en/content/careers/job-opportunities>

Selection Process

- **Pre-selection:** The pre-selection process will be based on qualifications and expertise reflected on the candidates CV. It will be merit-based.
- **Interview:** Preselected candidates will be interviewed by the Hiring Manager of the position.
- **Offer Letter:** Once the successful candidate is identified the People department will send a Job Offer, specifying the start day, salary, working conditions, among other important details.

Deadline: Please submit your application by October 23, 2026.

Suggestions: The CRG believes in **ongoing improvement** and promotes a **culture of feedback**. This is one of the reasons we have in place, at your disposal as a candidate, a mechanism to gather your suggestions/complaints concerning your candidate experience in our recruitment processes. Your feedback really matters to us in our aim at creating a **positive candidate journey**. You can make a difference and help us improve by letting us know your suggestions through the [following form](#).

